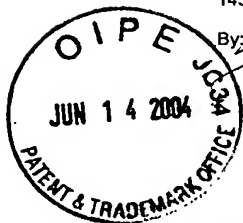


**CERTIFICATE OF FIRST CLASS MAILING**

I hereby certify that this paper and/or fee is being deposited with the United States Postal Service as First Class Mail service on June 11, 2004 and is addressed to the Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: 

Karen M. Forsyth



"Express-Mail" Mailing Label Number

EL 9644 55211 US

Date of Deposit

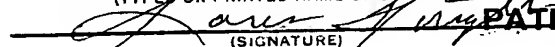
6-14-04

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express-Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the

Commissioner for Patents,  
P.O. Box 1450, Alexandria, VA 22313-1450

KAREN FORSYTH

(TYPED OR PRINTED NAME OF SENDER)

 **PATENT**  
(SIGNATURE)**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

INVENTOR(S) : Kimon D. Roufas, et al.

TITLE : SIX DEGREE OF FREEDOM  
POSITION RANGING

APPLICATION NO. : 10/016,427

FILED : December 10, 2001

CONFIRMATION NO. : 9522

EXAMINER : Layla G. Lauchman

ART UNIT : 2877

LAST OFFICE ACTION : December 16, 2003

ATTORNEY DOCKET NO. : D/A1131  
XERZ 2 00441

**INFORMATION DISCLOSURE STATEMENT**

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, 1.98 and MPEP § 609, applicant(s) submit(s) the following Disclosure Statement concerning art of which the applicant(s) is(are) aware. A copy of PTO-1449 is enclosed herewith.

This Information Disclosure Statement is not intended to constitute an admission that any patent, publication or other information referred to herein or submitted herewith is "prior art" for this invention unless specifically designated as such.

In accordance with 37 C.F.R. §1.97(g) and (h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

Under § 1.98(a)(3), no concise explanation of relevance is required for information that is in the English language. Accordingly, the enclosed art require no further explanation (or no translation is available).

Consideration of the appropriate paragraph(s) indicated below is respectfully requested:

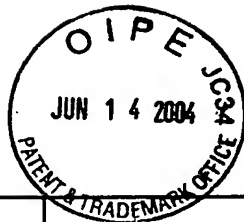
- ☐ **INTERNATIONAL SEARCH REPORT:** Under § 1.97(e)(1), the undersigned certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. Although it is believed no fee is necessary, any deficiency in fees should be charged to Deposit Account No. 24-0037.
- ☒ **BEFORE FINAL ACTION/WITH FEE:** Under § 1.97(c)(2), this information shall be considered if filed before the mailing date of a final action if accompanied by a fee in the amount of \$180.00 as required by §1.17(p). Accordingly, the necessary fee accompanies this Information Disclosure Statement. Any overpayment or deficiency can be charged to Deposit Account No. 24-0037.
- ☐ **PRIORITY CLAIM:** The attached PTO 1449 Form includes all patents, publications, or other information previously cited by or submitted to the Office in one or more prior applications from which the present application claims priority. These one or more prior applications are identified in the papers accompanying the filing of this application. In accordance with § 609 MPEP, only copies of art not previously submitted are enclosed.

Respectfully submitted,

FAY, SHARPE, FAGAN,  
MINNICH & McKEE, LLP

June 11, 2004

  
\_\_\_\_\_  
Mark S. Spat  
Reg. No. 34,261  
1100 Superior Avenue  
Seventh Floor  
Cleveland, Ohio 44114-2579  
(216) 861-5582



<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)</b>	<b>Complete if Known</b>	
	Application Number	10/016,427
	Filing Date	December 10, 2001
	First Named Inventor	Kimon D. Roufas, et al.
	Art Unit	2877
	Examiner Name	Layla G. Lauchman
Sheet 1 of 1	Attorney Docket No.	D/A1131 (XERZ 2 00441)

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No. Number-Kind Code (if known)	Publication/Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-			
	AB	US-			
	AC	US-			
	AD	US-			
	AE	US-			
	AF	US-			
	AG	US-			
	AH	US-			
	AI	US-			
	AJ	US-			
	AK	US-			
	AL	US-			

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
	AM					<input type="checkbox"/>
	AN					<input type="checkbox"/>
	AO					<input type="checkbox"/>
	AP					<input type="checkbox"/>

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published	T
	AQ	Y. ZHANG, et al., <i>Sensor Computations in Modular Self Reconfigurable Robots</i> ; B. Siciliano and P. Dario (Eds.): <i>Experimental Robotics VIII</i> , STAR 5, pp. 276-286, 2003 © Springer-Verlag Berlin Heidelberg 2003.	<input type="checkbox"/>
	AR	M. YIM, et al., <i>PolyBot: a Modular Reconfigurable Robot</i> ; Proceedings of the 2000 IEEE International Conference on Robotics & Automation, San Francisco, CA, April 2000, pp. 514-520	<input type="checkbox"/>
	AS		<input type="checkbox"/>
	AT		<input type="checkbox"/>
	AU		<input type="checkbox"/>
	AV		<input type="checkbox"/>

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--